

*all  
considered*

*28-09-06*

(FILE 'HOME' ENTERED AT 00:40:16 ON 25 SEP 2000)

FILE 'REGISTRY' ENTERED AT 00:40:21 ON 25 SEP 2000

L1                   STRUCTURE UPLOADED  
L2                   1 S L1 FULL  
L3                   STRUCTURE UPLOADED  
L4                   0 S L3 FULL  
L5                   STRUCTURE UPLOADED  
L6                   0 S L5 FULL  
L7                   STRUCTURE UPLOADED  
L8                   4 S L7 FULL

FILE 'USPATFULL' ENTERED AT 00:47:40 ON 25 SEP 2000

FILE 'REGISTRY' ENTERED AT 00:48:31 ON 25 SEP 2000

L9                   STRUCTURE UPLOADED  
L10                  7 S L9 FULL

FILE 'CAPLUS' ENTERED AT 00:57:16 ON 25 SEP 2000

S 176100-72-4/REG#

FILE 'REGISTRY' ENTERED AT 00:57:41 ON 25 SEP 2000

L11                  1 S 176100-72-4/RN

FILE 'CAPLUS' ENTERED AT 00:57:41 ON 25 SEP 2000

L12                  1 S L11

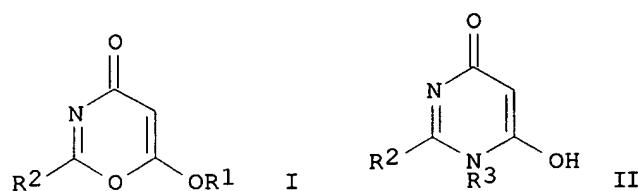
FILE 'USPATFULL' ENTERED AT 00:58:45 ON 25 SEP 2000

L13                  1 S 145591-95-3/RN OR 145591-94-2/RN

=> d l13 pn

L13 ANSWER 1 OF 1 USPATFULL  
PI        US 5123951 19920623

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS  
 AN 1996:162168 CAPLUS  
 DN 124:317087  
 TI Reaction of 2-substituted 6-alkoxy-4H-1,3-oxazin-4-ones with some  
 electrophilic and nucleophilic agents  
 AU Prep'yakov, A. V.; Yakovlev, I. P.; Ivin, B. A.  
 CS St. Peterburg. Khim.-Farm.-Inst., Russia  
 SO Zh. Org. Khim. (1995), 31(8), 1237-40  
 CODEN: ZORKAE; ISSN: 0514-7492  
 DT Journal  
 LA Russian  
 CC 28-13 (Heterocyclic Compounds (More Than One Hetero Atom))  
 GI



AB Reactions of oxazinones I [R1 = Me, Et, Bu; R2 = Cl3C, (un)substituted phenyl] with HNO3-Ac2O, Br2, NH3, and amines were studied. Nitration and bromination occurred at position 5. The reactions with NH3 and amines gave hydroxypyrimidinones II [R2 = Cl3C, (un)substituted phenyl; R3 = H, Me].  
 ST oxazinone reaction electrophiles nucleophiles; bromination oxazinone derivs; nitration oxazinone derivs; ammonia recyclization oxazinone derivs; amine recyclization oxazinone derivs; pyrimidinone hydroxy derivs prepn  
 IT Bromination  
 Nitration  
 (of oxazinones)  
 IT Ring closure and formation  
 (recyclization, of oxazinones with ammonia and amines)  
 IT 176100-71-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and hydrolysis of)  
 IT 13566-71-7P 15726-40-6P 16097-57-7P **176100-72-4P**  
 176100-73-5P 176100-74-6P 176100-75-7P 176100-76-8P 176100-77-9P  
 176100-78-0P 176100-79-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 IT 29669-12-3 29669-13-4 152574-47-5 152574-48-6 152574-50-0  
 152574-51-1 152574-57-7 176100-65-5 176100-66-6 176100-67-7  
 176100-68-8 176100-69-9 176100-70-2  
 RL: RCT (Reactant)  
 (reaction of oxazinones with electrophilic and nucleophilic agents)  
 IT 74-89-5, Methanamine, reactions 7664-41-7, Ammonia, reactions  
 RL: RCT (Reactant)  
 (reaction with oxazinones)

(FILE 'HOME' ENTERED AT 00:40:16 ON 25 SEP 2000)

FILE 'REGISTRY' ENTERED AT 00:40:21 ON 25 SEP 2000

L1                   STRUCTURE UPLOADED  
L2                   1 S L1 FULL  
L3                   STRUCTURE UPLOADED  
L4                   0 S L3 FULL  
L5                   STRUCTURE UPLOADED  
L6                   0 S L5 FULL  
L7                   STRUCTURE UPLOADED  
L8                   4 S L7 FULL

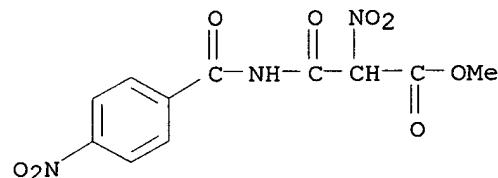
FILE 'USPATFULL' ENTERED AT 00:47:40 ON 25 SEP 2000

FILE 'REGISTRY' ENTERED AT 00:48:31 ON 25 SEP 2000

L9                   STRUCTURE UPLOADED  
L10                  7 S L9 FULL

=> d 1-7

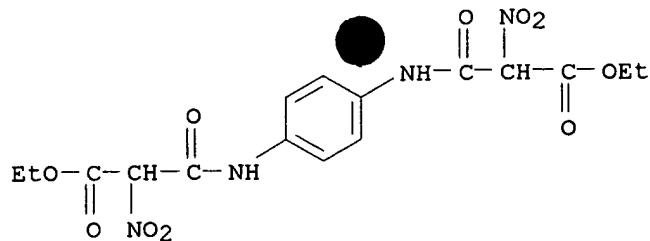
✓ L10 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2000 ACS  
RN 176100-72-4 REGISTRY  
CN Propanoic acid, 2-nitro-3-[(4-nitrobenzoyl)amino]-3-oxo-, methyl ester  
(9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C11 H9 N3 O8  
SR CA  
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)

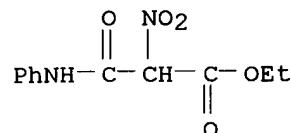
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2000 ACS  
RN 162089-97-6 REGISTRY  
CN Propanoic acid, 3,3'-(1,4-phenylenedimino)bis[2-nitro-3-oxo-, diethyl ester (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C16 H18 N4 O10  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT



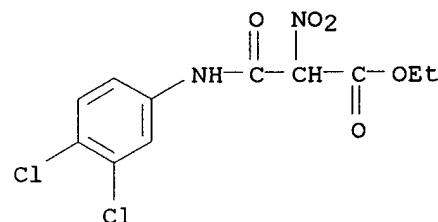
1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

✓ L10 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2000 ACS  
 RN 162089-95-4 REGISTRY  
 CN Propanoic acid, 2-nitro-3-oxo-3-(phenylamino)-, ethyl ester (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C11 H12 N2 O5  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS



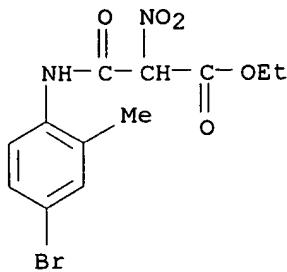
1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2000 ACS  
 RN 145591-95-3 REGISTRY  
 CN Propanoic acid, 3-[(3,4-dichlorophenyl)amino]-2-nitro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C11 H10 Cl2 N2 O5  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



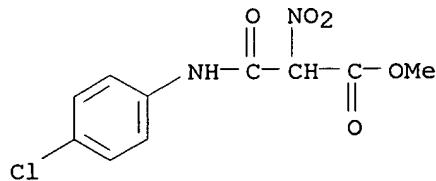
1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L10 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2000 ACS  
 RN 145591-94-2 REGISTRY  
 CN Propanoic acid, 3-[(4-bromo-2-methylphenyl)amino]-2-nitro-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C12 H13 Br N2 O5  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



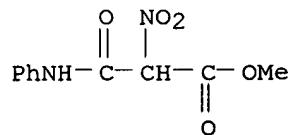
1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

✓ L10 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2000 ACS  
 RN 107402-61-9 REGISTRY  
 CN Propanoic acid, 3-[(4-chlorophenyl)amino]-2-nitro-3-oxo-, methyl ester  
 (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C10 H9 Cl N2 O5  
 SR CA  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)



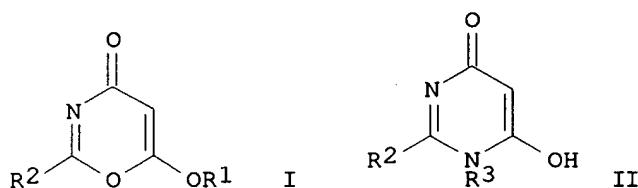
1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

✓ L10 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2000 ACS  
 RN 107402-60-8 REGISTRY  
 CN Propanoic acid, 2-nitro-3-oxo-3-(phenylamino)-, methyl ester (9CI) (CA  
 INDEX NAME)  
 FS 3D CONCORD  
 MF C10 H10 N2 O5  
 SR CA  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)



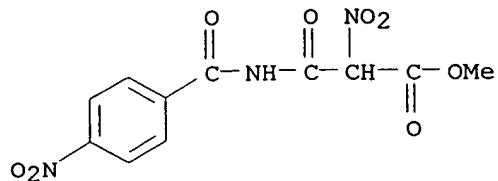
1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS  
AN 1996:162168 CAPLUS  
DN 124:317087  
TI Reaction of 2-substituted 6-alkoxy-4H-1,3-oxazin-4-ones with some electrophilic and nucleophilic agents  
AU Prep'yakov, A. V.; Yakovlev, I. P.; Ivin, B. A.  
CS St. Peterburg. Khim.-Farm.-Inst., Russia  
SO Zh. Org. Khim. (1995), 31(8), 1237-40  
CODEN: ZORKAE; ISSN: 0514-7492  
DT Journal  
LA Russian  
CC 28-13 (Heterocyclic Compounds (More Than One Hetero Atom))  
GI



AB Reactions of oxazinones I [R1 = Me, Et, Bu; R2 = C13C, (un)substituted phenyl] with HNO3-Ac2O, Br2, NH3, and amines were studied. Nitration and bromination occurred at position 5. The reactions with NH3 and amines gave hydroxypyrimidinones II [R2 = C13C, (un)substituted phenyl; R3 = H, Me].  
ST oxazinone reaction electrophiles nucleophiles; bromination oxazinone derivs; nitration oxazinone derivs; ammonia recyclization oxazinone derivs; amine recyclization oxazinone derivs; pyrimidinone hydroxy derivs prepn  
IT Bromination  
Nitration  
(of oxazinones)  
IT Ring closure and formation  
(recyclization, of oxazinones with ammonia and amines)  
IT 176100-71-3P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and hydrolysis of)  
IT 13566-71-7P 15726-40-6P 16097-57-7P 176100-72-4P  
176100-73-5P 176100-74-6P 176100-75-7P 176100-76-8P 176100-77-9P  
176100-78-0P 176100-79-1P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of)  
IT 29669-12-3 29669-13-4 152574-47-5 152574-48-6 152574-50-0  
152574-51-1 152574-57-7 176100-65-5 176100-66-6 176100-67-7  
176100-68-8 176100-69-9 176100-70-2  
RL: RCT (Reactant)  
(reaction of oxazinones with electrophilic and nucleophilic agents)  
IT 74-89-5, Methanamine, reactions 7664-41-7, Ammonia, reactions  
RL: RCT (Reactant)  
(reaction with oxazinones)

✓ L10 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2000 ACS  
RN 176100-72-4 REGISTRY  
CN Propanoic acid, 2-nitro-3-[(4-nitrobenzoyl)amino]-3-oxo-, methyl ester  
(9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C11 H9 N3 O8  
SR CA  
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)